

AMENDMENTS TO THE CLAIMS

Claim 1. (Cancelled)

Claim 2. (Cancelled)

Claim 3. (Cancelled)

Claim 4. (Cancelled)

Claim 5. (Cancelled)

Claim 6. (Cancelled)

Claim 7. (Cancelled)

Claim 8. (Previously Presented) A combustion engine apparatus,  
comprising:

fuel, said fuel made up of a first portion and a second portion,

a first stage piston engine for combusting said first portion of said fuel in a  
first stage, said first stage piston engine producing piston engine exhaust gases  
with said piston engine exhaust gases containing said second portion of said fuel;

a second stage turbine engine for combusting said second portion of said  
fuel contained in said piston engine exhaust gases in a second stage at  
stoichiometric conditions, said second stage turbine engine producing turbine  
engine exhaust gases;

a supercharger for supercharging said piston engine using said turbine  
engine exhaust gases, and

means for directing said turbine exhaust gases from said second stage  
turbine engine into said supercharger.

Claim 9. (Original) The combustion engine apparatus of claim 8 wherein  
said first stage piston engine is a compression ignition engine, a homogenous  
charged compression ignition engine, a variable compression engine, a nitrogen

enriched air combustion engine, a rotating engine, a linear engine, and/or a reciprocating engine.

Claim 10. (Original) The combustion engine apparatus of claim 8 including a compressor for providing compressed air to said second stage turbine engine for combusting said fuel contained in said piston engine exhaust gases.

Claim 11. (Original) The combustion engine apparatus of claim 8 wherein said fuel is oil, methane, natural gas, ammonia, alcohols and/or ethers.

Claim 12. (Original) The combustion engine apparatus of claim 8 wherein said fuel is any combustible matter.

Claim 13. (Original) The combustion engine apparatus of claim 12 wherein said any combustible matter comprises fossil fuels including oil, natural gas, and/or coal.

Claim 14. (Original) The combustion engine apparatus of claim 12 wherein said any combustible matter comprises inorganic fuels including ammonia, hydrazine, and/or calcium.

Claim 15. (Original) The combustion engine apparatus of claim 8 wherein said any combustible matter comprises organic fuels including alcohols, ethers, and/or wood.

Claim 16. (Cancelled)

Claim 17. (Cancelled)

Claim 18. (Cancelled)

Claim 19. (Cancelled)

Claim 20. (Currently Amended) A combustion engine method that provides increased fuel efficiency and reduces polluting exhaust emissions by burning fuel in two stages, said fuel consisting of a first portion and a second portion, comprising the steps of:

combusting said first portion of said fuel in a piston engine in a first stage, said step of combusting said first portion of said fuel in a piston engine in a first stage producing piston engine exhaust gases, said piston engine exhaust gases containing said second portion of said fuel, The combustion engine method of claim 16 wherein said step of combusting said fuel in a piston engine in a first stage comprises combusting said fuel in a nitrogen enriched air combustion engine;

combusting said second portion of said fuel contained in said piston engine exhaust gases in a second stage turbine engine at stoichiometric conditions, said step of combusting said fuel contained in said piston engine exhaust gases in a second stage turbine engine at stoichiometric conditions producing turbine engine exhaust gases; and

using said turbine engine exhaust gases to supercharge said piston engine by directing said turbine engine exhaust gases into said piston engine.

Claim 21. (Cancelled)

Claim 22. (Cancelled)

Claim 23. (Cancelled)

Claim 24. (Cancelled)

Claim 25. (Cancelled)

Claim 26. (Cancelled)

Claim 27. (Cancelled)

Claim 28. (Cancelled)

Claim 29. (Cancelled)

Claim 30. (Cancelled)

Claim 31. (Cancelled)

Claim 32. (Cancelled)

Claim 33. (Cancelled)

Claim 34. (Cancelled)

Claim 35. (Cancelled)

Claim 36. (Cancelled)

Claim 37. (Cancelled)

Claim 38. (Cancelled)

Claim 39. (Cancelled)

Claim 40. (Cancelled)

Claim 41. (Cancelled)

Claim 42. (Cancelled)

Claim 43. (Cancelled)

Claim 44. (Cancelled)

Claim 45. (Cancelled)

Claim 46. (Cancelled)

Claim 47. (Cancelled)